January 2022
900855-001
Rev 02

Virtuo Test Fixture Installation Guide

Purpose

This document shows how to assemble and install the Virtuo Test Fixture ***(600201-001, -002 or -003)***

Audience

- TouchTunes Virtuo Operators
- TouchTunes field service and customer support

Estimated Time

30 minutes

Required Personnel

1 Technician

This document includes the following task types:

☐	Software
☑	Electrical
☑	Mechanical
☐	Packaging

Topics

- Required Tools and Equipment
- Included in This Kit
- Installing the Monitor Bracket
- Assembling the Rest of the Virtuo Test Station
- For Virtuo Test station using an Angelina computer fasten the power supply, computer, amplifier, I/O board and ID-chip to the main bracket using eighteen (18) locking hex nuts and four (4) M4 screws (provided with your kit):
- Hard Drive
- Powering Up
- Contacting TouchTunes Technical Support

Required Tools and Equipment

- Hex ratchet, with M4 socket.
- Mounting screws or bolts (for mounting the fixture to a wall or other mounting structure)
- Appropriate tool to fasten the mounting screws or bolts.
- Power bar with power switch.

Included in This Kit

Ensure that you have received all the required parts before proceeding with this installation.

There are two versions of the Virtuo Test Fixture Kit: a fully-functional kit, and a bare-bones kit.

The bare-bones kit, 600201-002 contains the following:

Part	Amount	TouchTunes Part #
Virtuo Test Fixture Kit, which includes:	1	401300-001
• Virtuo Monitor Test Support, metal	1	401277-001
• Virtuo Main Test Support, metal	1	401276-001
• Hex nut, locking, M4, Zinc-plated	25	200087-001
• Tie wraps	5	200018-006
• Virtuo Connection Diagram	1	900504-001
• This document	1	900855-001
Virtuo Cable Kit FRU	1	600119-001
ID-Chip Assembly	1	600217-001

The fully-functional kit, 600201-001 or -003, adds the following, along with everything in the bare-bones kit:

Part	Amount	TouchTunes Part #
Virtuo LCD Touch Screen FRU with 26” monitor (in 600201-001)		600141-001 / -002
OR	1	OR
Virtuo LCD Touch Screen FRU with 27” monitor (in 600201-003)		600141-003 / -004 / -005
Virtuo I/O Board FRU	1	600135-00x
Virtuo Amplifier (DA950-V) FRU	1	600138-001
Virtuo Computer FRU	1	600310-001
Virtuo Power Supply FRU	1	600137-002

In order to build a complete, working Virtuo system, you will need all of the above. If you ordered the bare-bones kit, ensure you have all the components in the second table above, or else order the FRU kits for the components you might be missing.

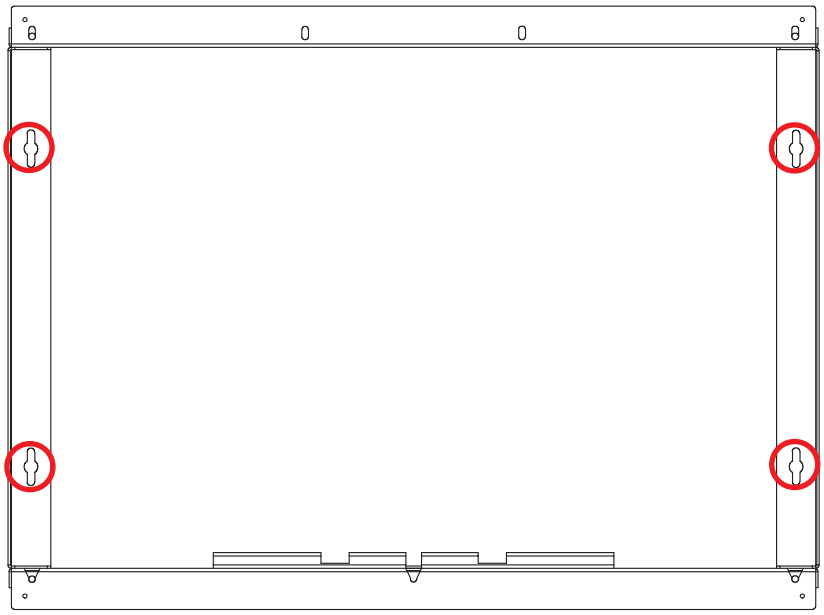
In addition, each FRU kit (whether you order it separately, or as part of 600201-001 or -003) includes its own documentation, and a more detailed parts list.

Before You Start

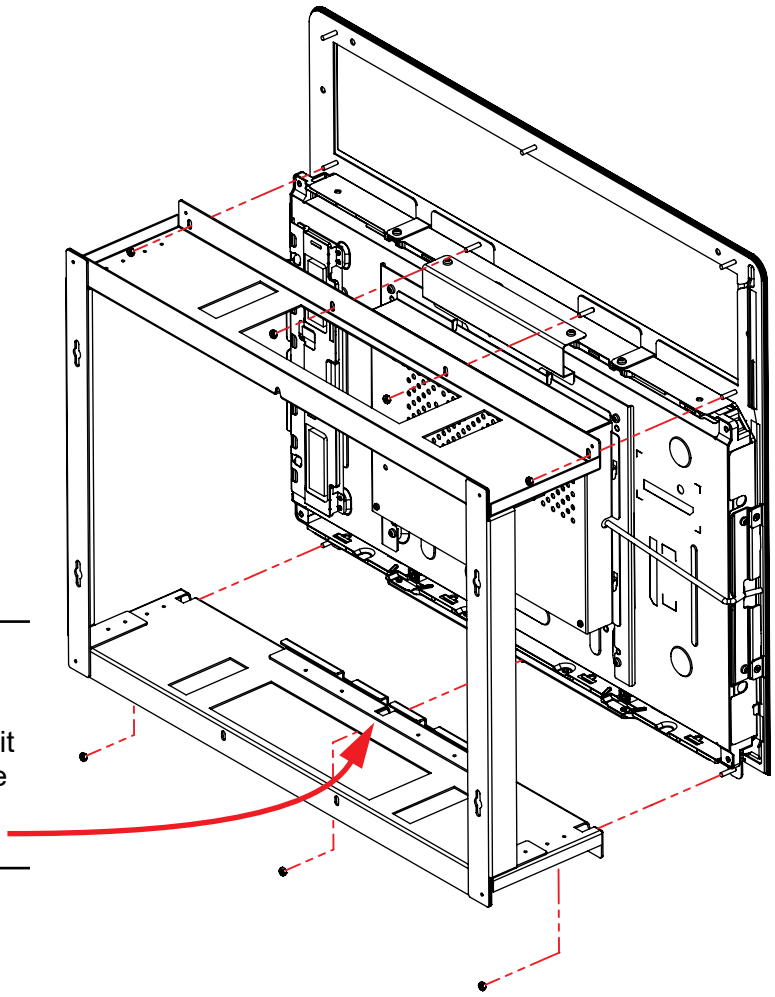
Find a suitable area in your warehouse or workshop where both halves of the Virtuo test fixture can be installed close to one another. Ensure that the wall or other structure onto which you will install the fixture can support the weight (if it can support a full Virtuo, it can definitely support the weight of this test fixture.)

Installing the Monitor Bracket

1. Mount the bracket with the monitor to your wall or mounting structure using four (4) appropriate mounting screws (not provided) in the indicated mounting holes.

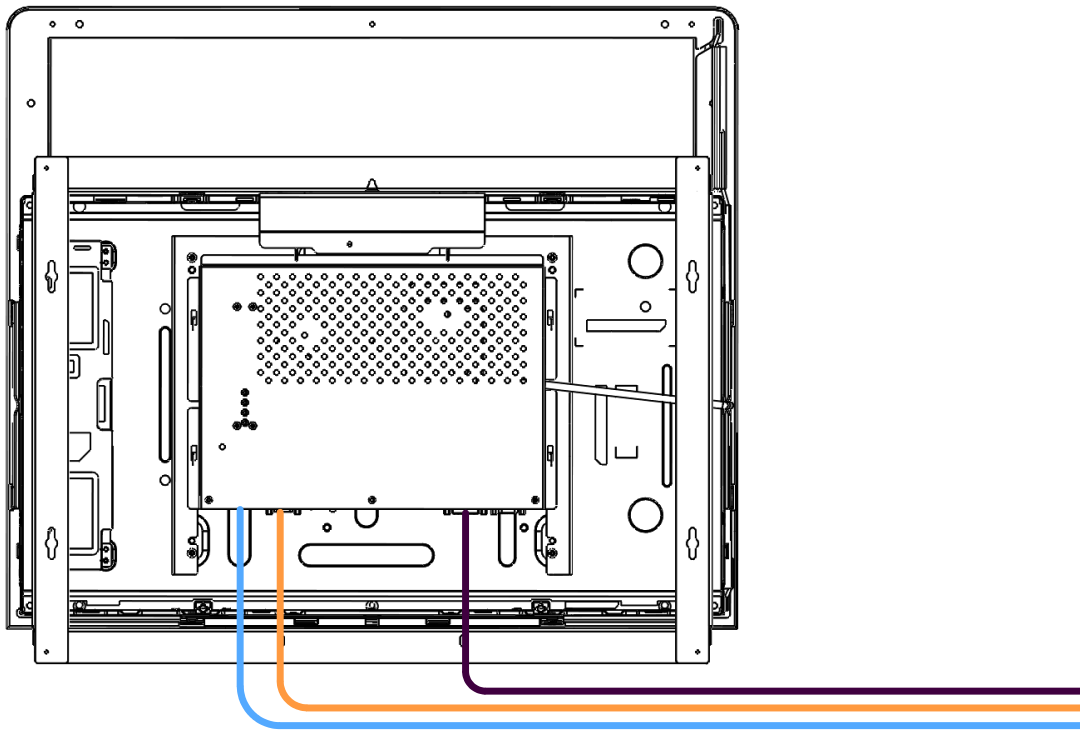


2. The Virtuo Touchscreen fastens to the monitor bracket using seven (7) locking hex nuts (provided):



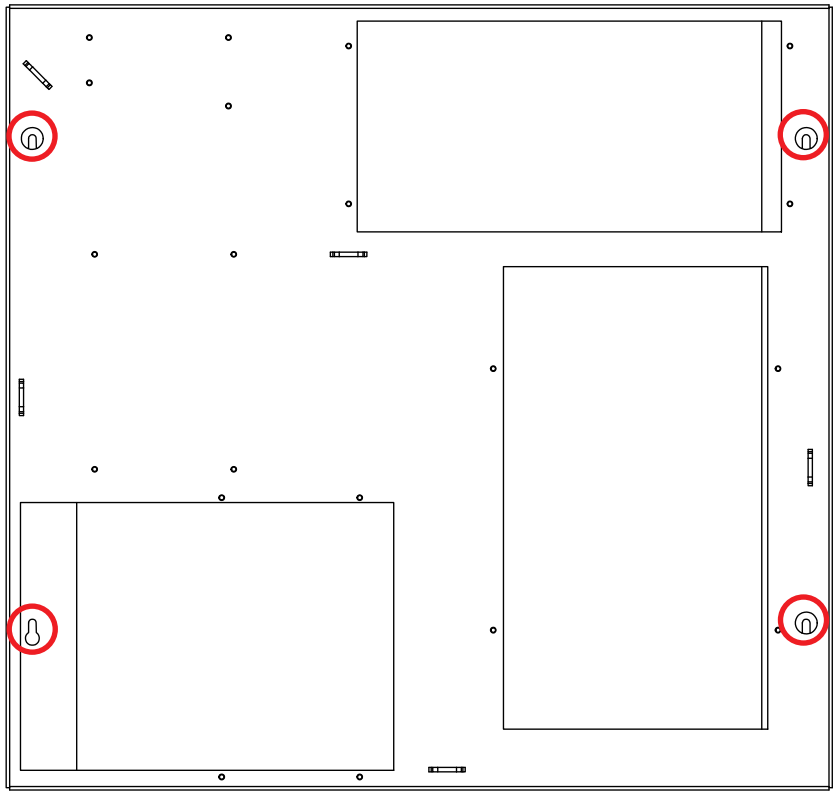
Note: An alignment guide is included on the bottom part of the monitor bracket. Align the bottom of the touchscreen monitor with this guide, before you push it onto the bracket. This will ensure that the studs on the touchscreen align with the holes on the bracket.

3. Connect and fasten the Video, Serial and Power cables to the back of the Virtuo monitor:

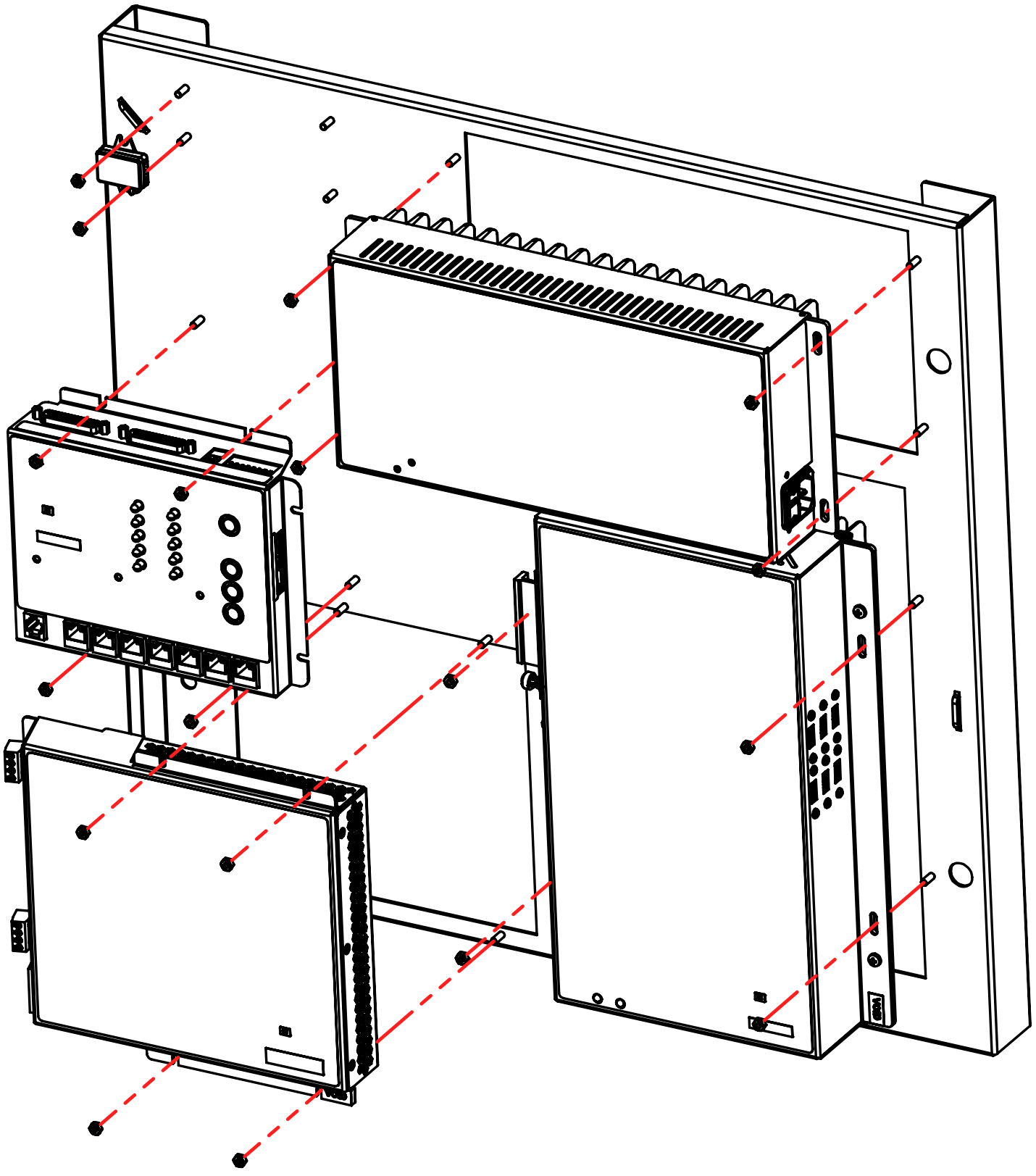


Assembling the Rest of the Virtuo Test Station

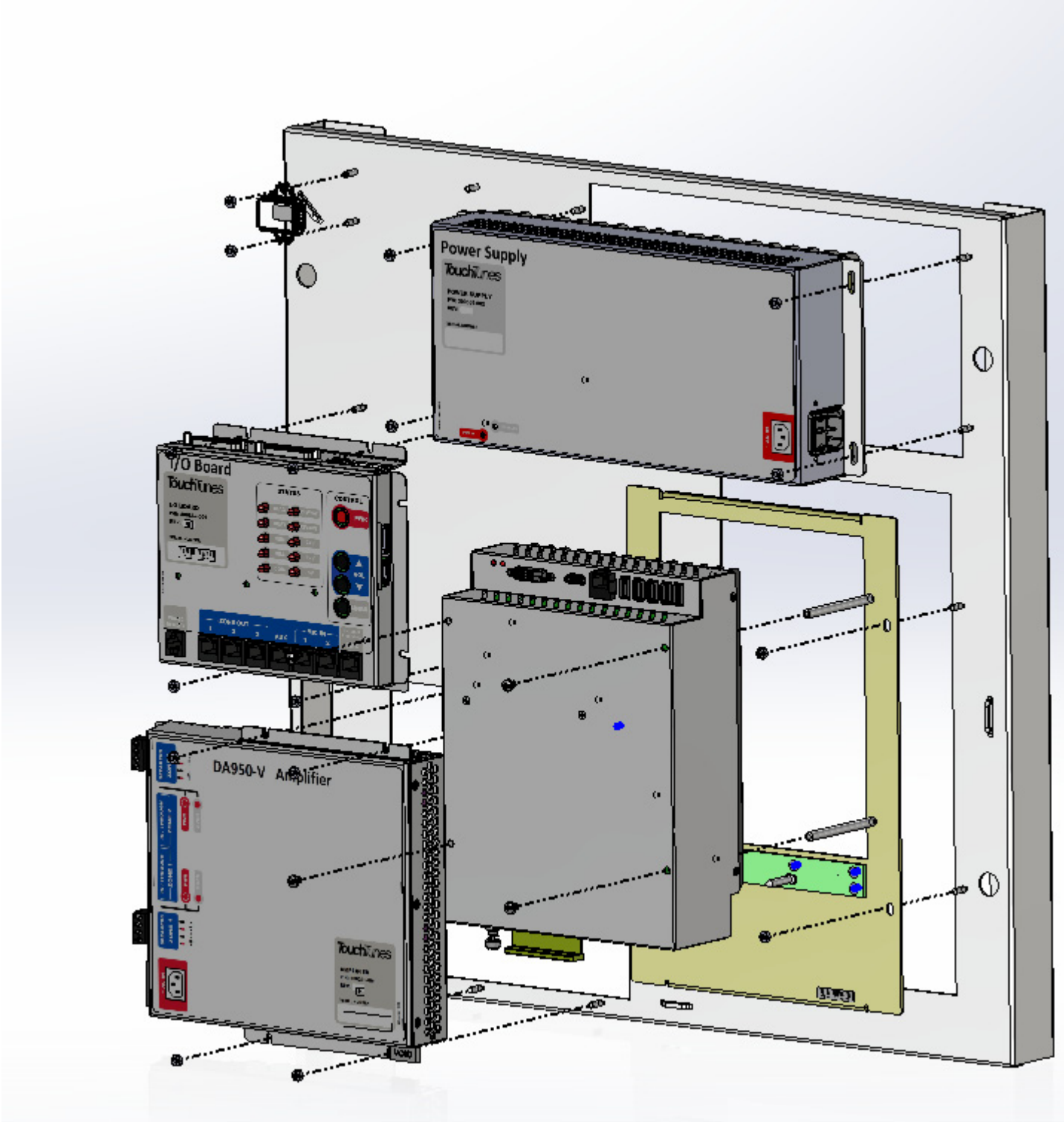
1. Mount the main bracket to your wall or mounting structure using four (4) appropriate mounting screws (not provided) in the four (4) mounting holes along the sides of the bracket.



2. For Virtuo Test station using a Virtuo computer fasten the power supply, computer, amplifier, I/O board and ID-chip to the main bracket using eighteen (18) locking hex nuts (provided with your kit):

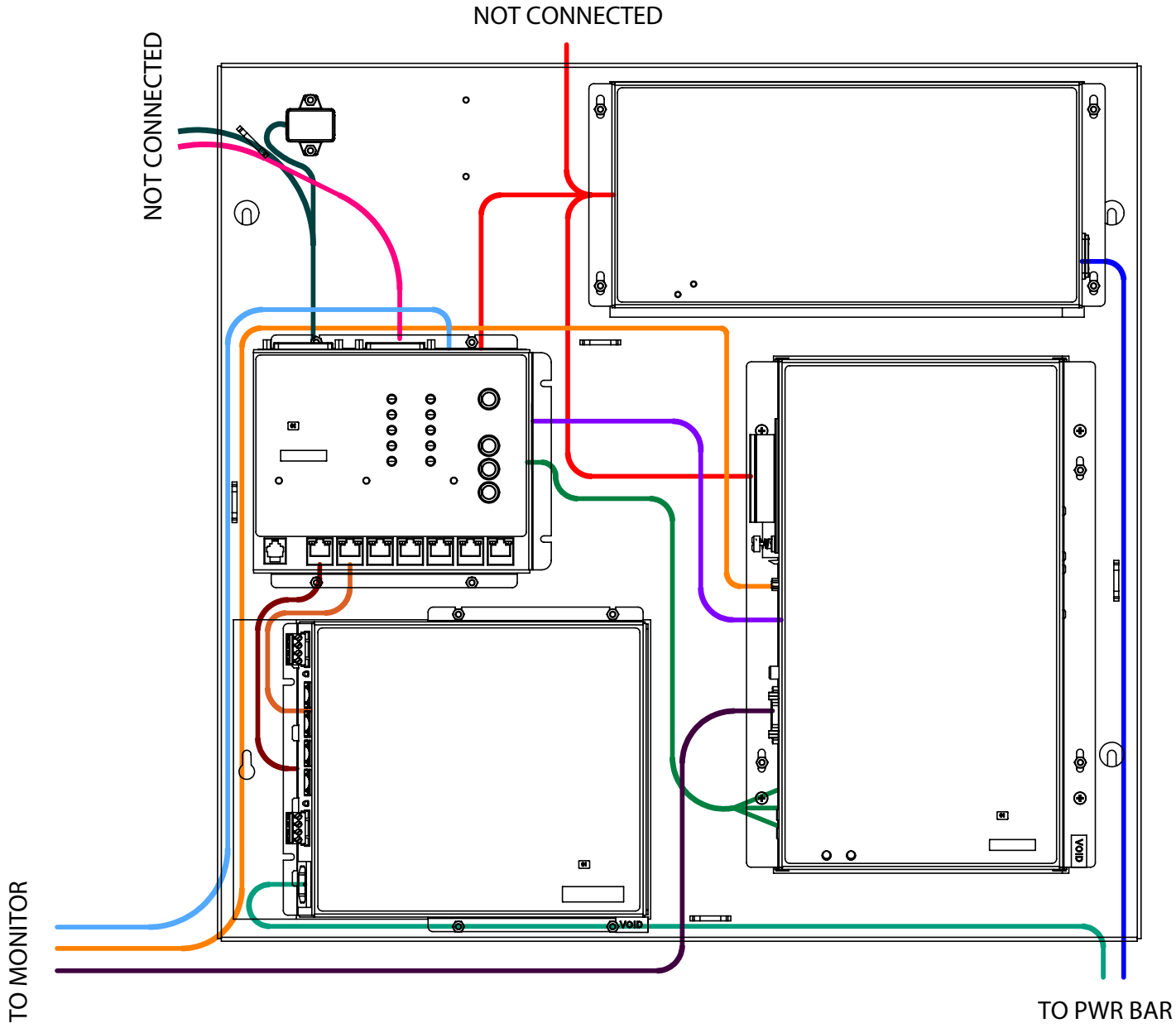


3. For Virtuo Test station using an Angelina computer fasten the power supply, computer, amplifier, I/O board and ID-chip to the main bracket using eighteen (18) locking hex nuts and four (4) M4 screws (provided with your kit):

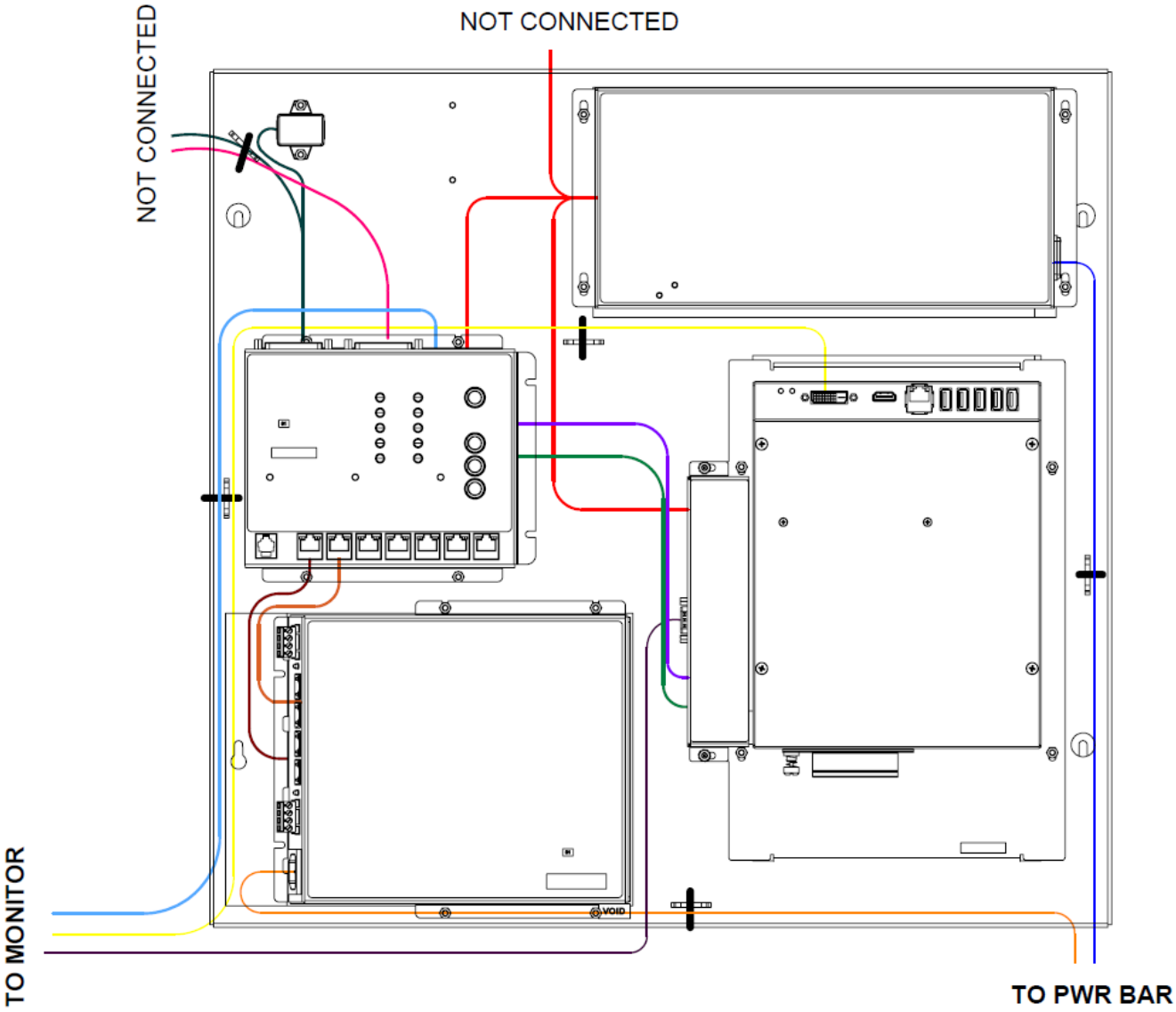


Cables and Connections

1. For Virtuo Test station using a Virtuo connect the cables coming from the touchscreen to the appropriate connectors on the computer and PSU, then connect all the other cables shown in the diagram below:



2. For Virtuo Test station using an Angelina computer connect the cables coming from the touchscreen to the appropriate connectors on the computer and PSU, then connect all the other cables shown in the diagram below:



Note: Refer to the full Virtuo connection diagram (also provided with your kit) if needed.

3. Use tie wraps (provided) to bundle cables together for a tidier test station and to make it easier to access the various parts, connectors and switches.

Hard Drive

1. Insert a Virtuo hard drive into the drive bay on the left side of the computer, and fasten it using the thumbscrew on the hard drive tray.

Powering Up

1. Review all the cabling to ensure that all the components that need to be connected are securely connected.

2. On the power bar you where you connected the amplifier and power supply's power cables, flip the power switch to turn everything on.
3. Watch the monitor and the lights on the I/O board, computer and power supply to validate that all the components are functional.
4. If the screen remains black while the computer still appears to be functional, press the red PWR button on the I/O board, in order to bring the Virtuo test station out of standby mode.

You should now have a functional Virtuo Test Station.

Contacting TouchTunes Technical Support

If you need help with or have questions about this document, contact TouchTunes by:

- using the e-mail links on the Contacts page on the TouchTunes Dashboard Tempo > Help > Resources at **https://tempo.touchtunes.com/#/help/resources**
- calling TouchTunes 24/7 Service Hotline at 888-338-5853

To help us assist you more effectively with problem reports, this information may be required when contacting TouchTunes Support:

- Jukebox model, such as Virtuo, Allegro MX-1, Ovation, Maestro II
- Jukebox ID
- the serial number of any component you believe to be defective
- the date/time of the problem
- actions performed immediately before the problem occurred
- any additional comments

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